Patent Record View Monday, October 26 2009 THOMSON INNOVATION

Patent/Publication: JP9307526A DIGITAL BROADCAST RECEIVER

Bibliography

DWPI Title
Digital broadcasting receiver that uses orthogonal frequency division multiplexing has FFT processor for converting orthogonal frequency division multiplexing signal expressed in time domain into demodulation data expressed in frequency domain

Original Title
DIGITAL BROADCAST RECEIVER

Assignee/Applicant
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Original: MITSUBISHI ELECTRIC CORP

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Publication Date (Kind Code)
1997-11-28 (A)

Application Number / Date
JP1996123408A / 1996-05-17

Priority Number / Date / Country
JP1996123408A / 1996-05-17 / JP

Abstract

Abstract

PROBLEM TO BE SOLVED: To correct even a frequency deviation being an integer multiple of a carrier frequency interval by refraction the result of applying a specific product sum arithmetic operation to a frequency area complex data array.

SOLUTION: An OFDM digital broadcast signal is given to an antenna 1, a mixer 3 uses an oscillation signal from a voltage controlled oscillator 10 to convert the signal frequency into an intermediate frequency and the signal is demodulated into an in-phase and an orthogonal phase signal component by a quadrature demodulator 5, they are given to a FFT processing unit 7, in which they are processed into complex data in a frequency region and the result is outputted to a digital output terminal 9 via an error correction device 8. A phase correction device 13 applies phase correction processing to an array of frequency region complex data by suing complex data denoting a phase reference specified value and the result is fed to a product sum computing element 12. The product sum computing element 12 calculates products between elements apart by a same number before and after each concerned element and their total sun and gives the result of product sum operation to a detector 11. The detector 11 controls an oscillated frequency of a voltage controlled oscillator 10 so that a maximum value of the product sum operation appears at a prescribed element position of the phase reference specified value array.

Classes/Indexing

IPC
IPC Code(1-7) **H04J 11/00** H04L 27/22 (6)

Current IPC-R	Invention	Version	Additional	Version
Advanced	H04L 27/22 H04H 1/00 H04J 11/00	20060101 20060101 20060101	-	-

	H04L 27/26	20060101		
Core	H04L 27/22 H04H 1/00 H04J 11/00 H04L 27/26	20060101 20060101 20060101 20060101	-	-
Subclass	-	-	-	-

ECLA
H04L002726M5C3

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Legal Status

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Claims

No Claims exist for this Record

Description

Drawing Description

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Description

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Citations

Citation

Expand Citing Patents (4)

Cited Patents (0)

Cited Non-patents (0)

Other

No Other exists for this Record

JP9307526A Patent Images

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